

**INTEGRATED CIRCUIT DELIVERING LOGIC LEVELS AT  
A VOLTAGE INDEPENDENT FROM THE MAINS VOLTAGE,  
WITH NO ATTACHED REGULATOR FOR THE POWER  
SECTION, AND CORRESPONDING COMMUNICATION**

5

**MODULE**

**ABSTRACT OF THE DISCLOSURE**

The invention concerns an integrated circuit comprising means of delivering, on at least one output, a predetermined output voltage 10 representative of a logic level, means of distributing a mains voltage and means of generating an internal voltage reference lower than the mains voltage, comprising means of connecting the mains voltage to the output and means of limiting and/or 15 detecting the voltage at the output at the predetermined output voltage value, taking into account the reference voltage.

20